

FIGURE

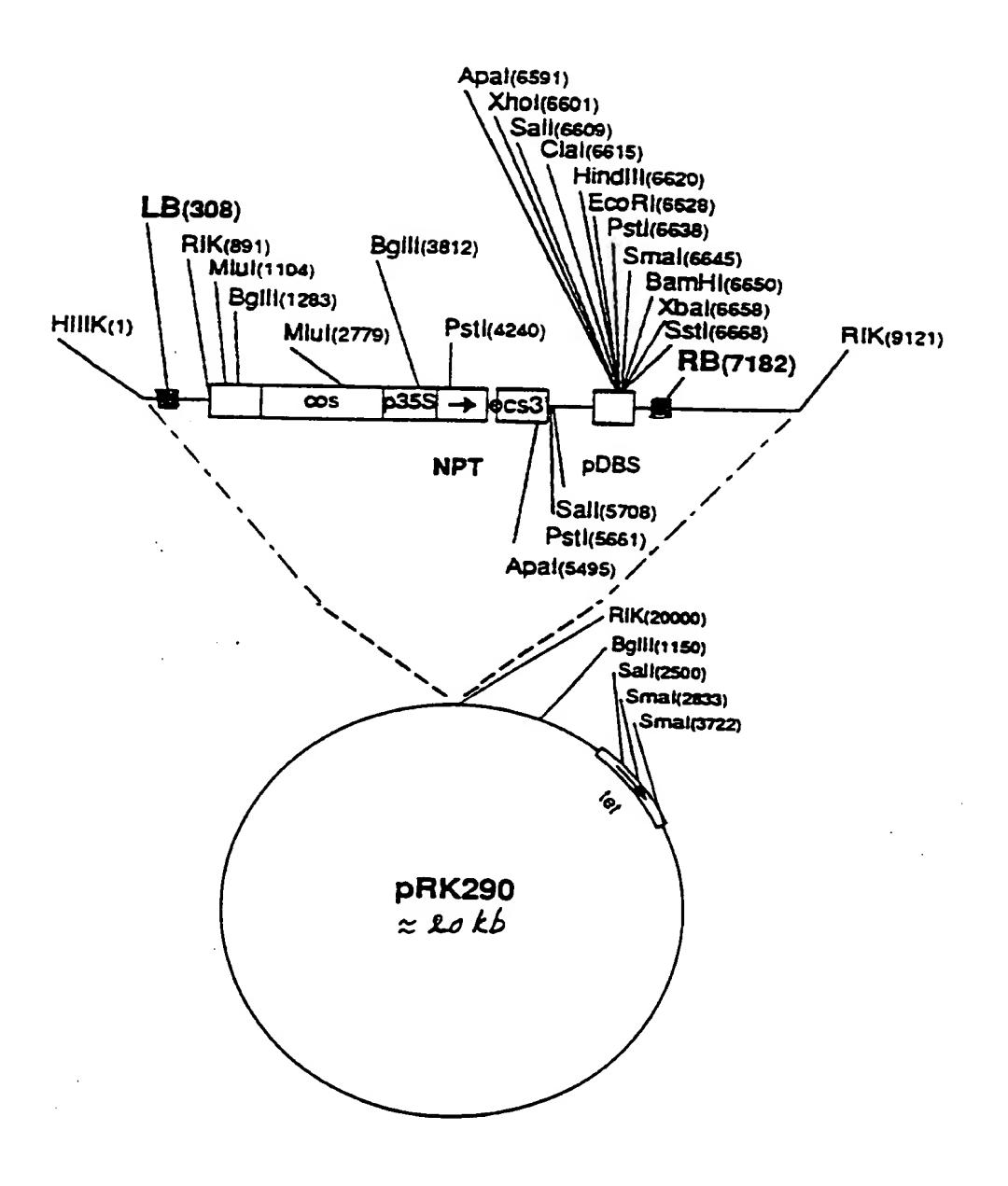
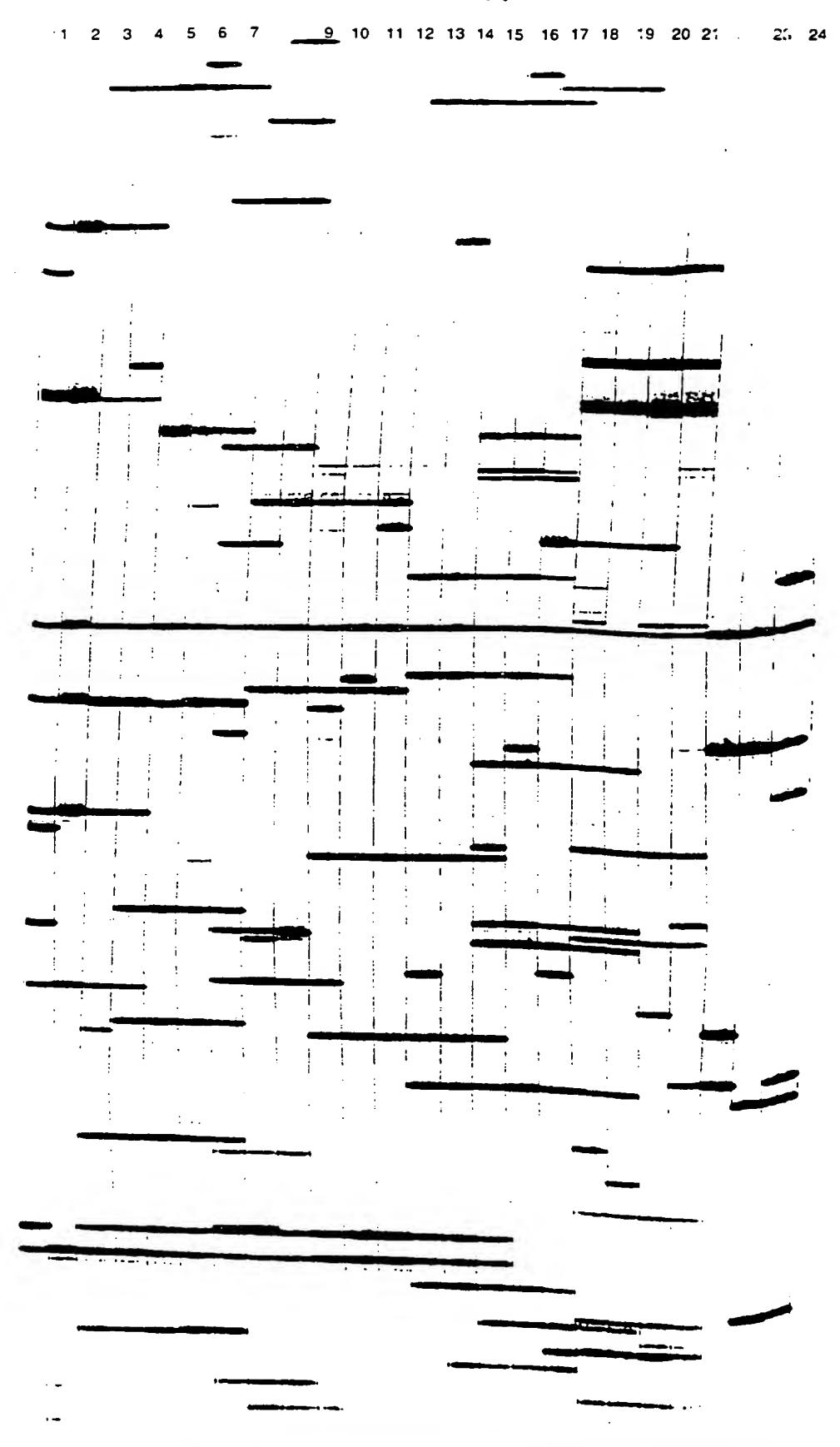


FIGURE 2

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1 = B562 = A313 = A304 = B385 = CC136 = B317 = AA128 = DD29 = 0014 10 = A5211 = B2212 = A6513 = A2514 = A5515 = CC1616 = A4417 = A2918 = E2019 = E4 20 = E1521 = AA522 = E22 23 = CC3 24 = AA2

Templates

FIGURE 3

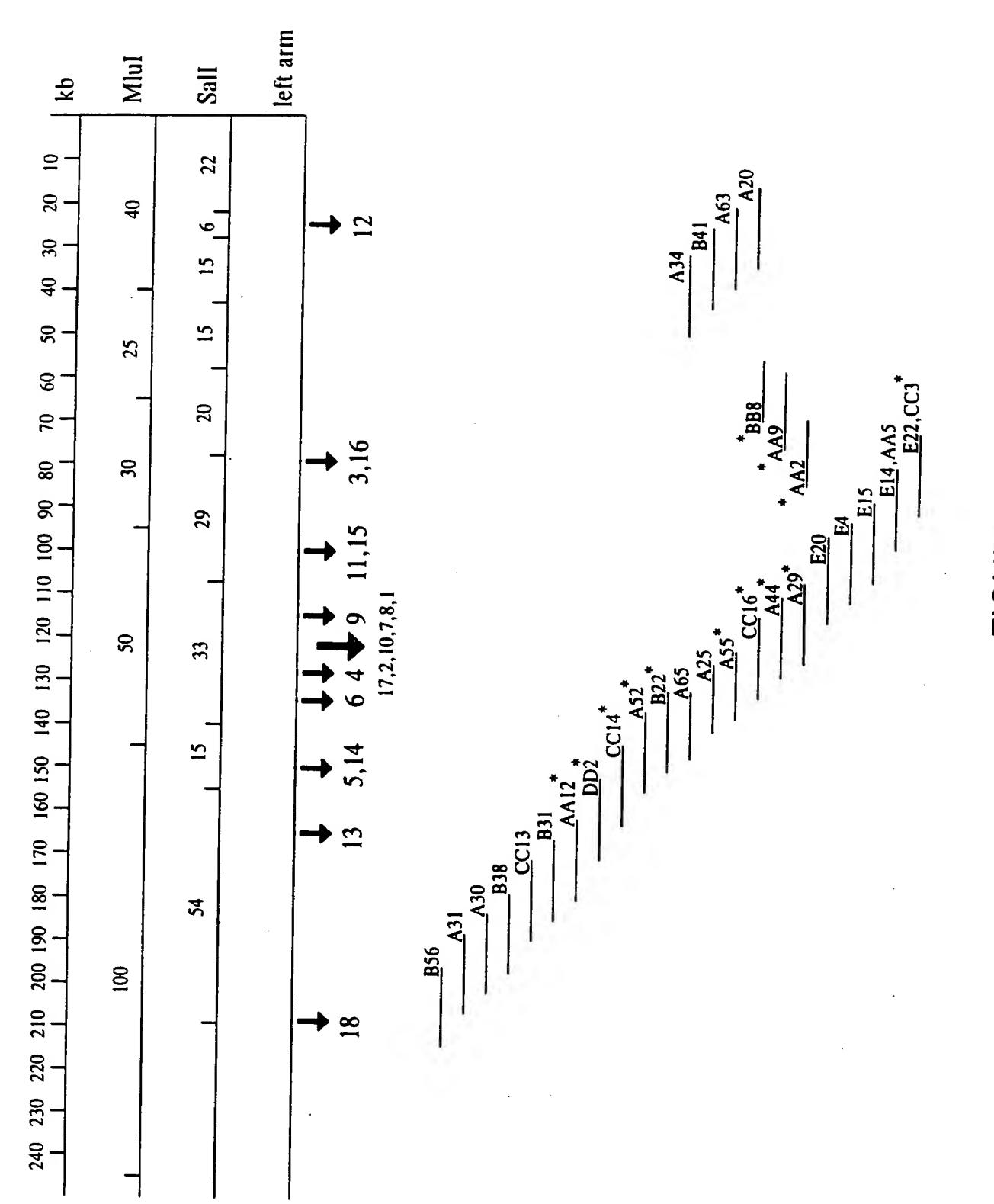


FIGURE 4

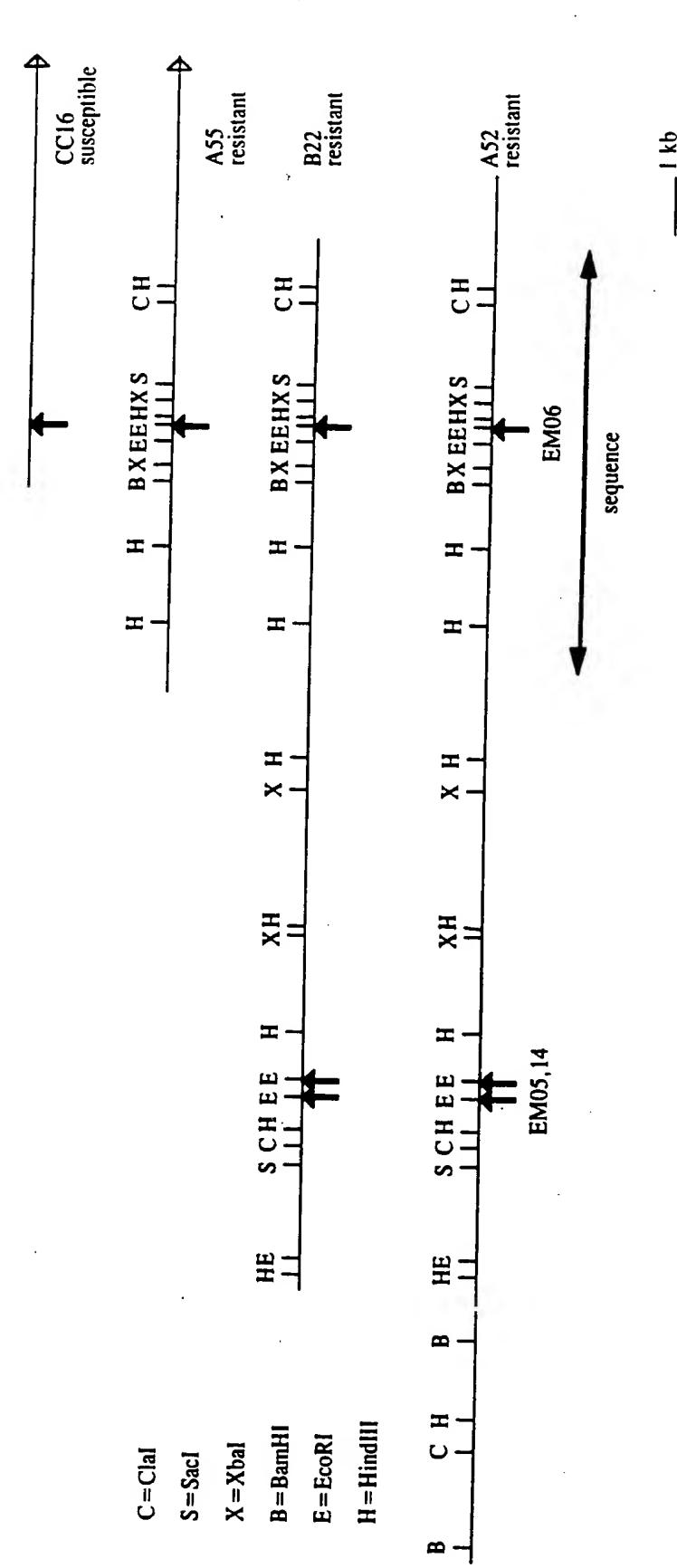
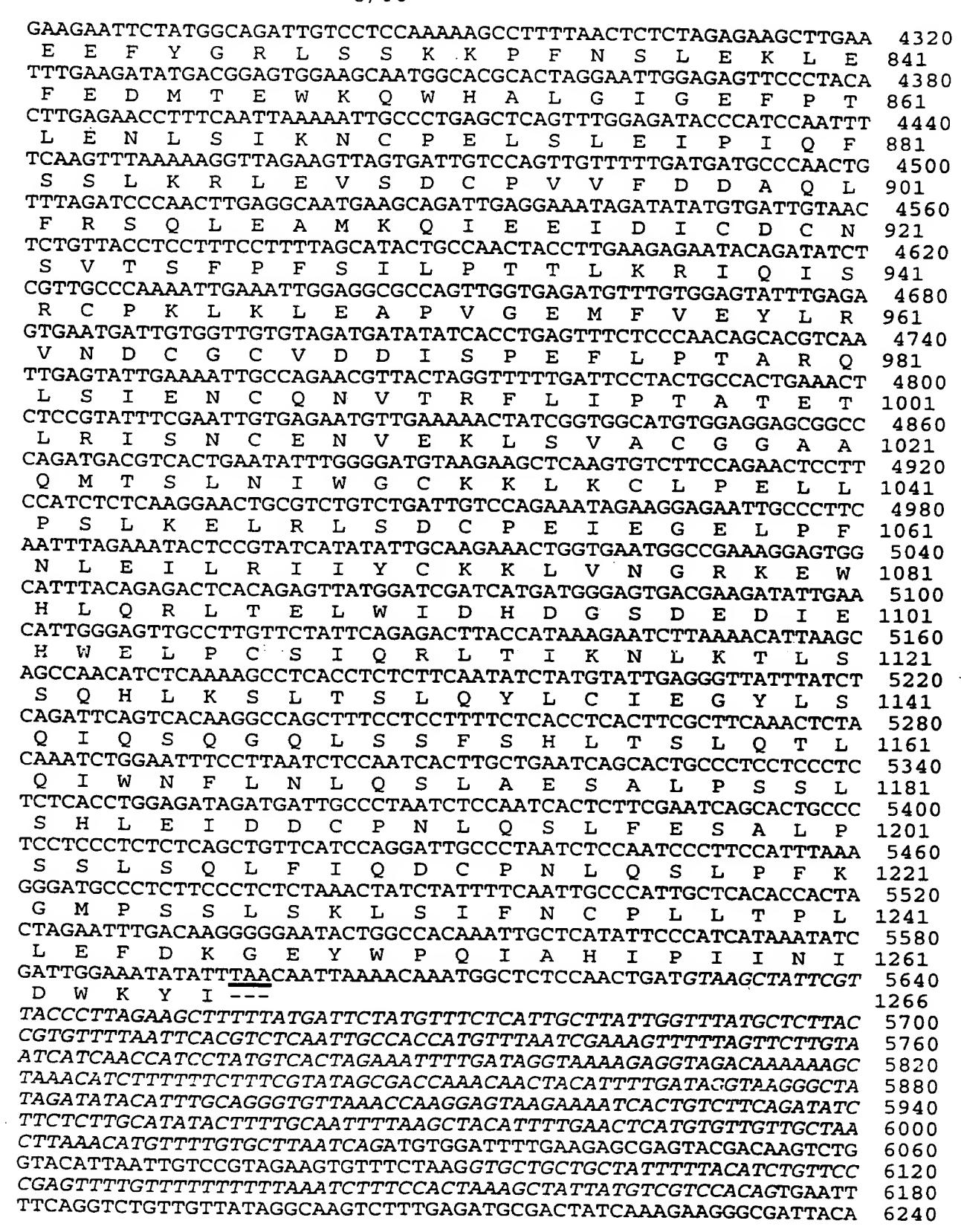


FIGURE 5

5'-AAAAAAGCAGCTTTAAAAAAAGTACTTTKGAAAGGKGCTGAAACTTATTTTTTGAAATAA 60 GCAGTTATGTGTTTGGAAWAAAAGTGCTGAAGTTGCTATGTCAAACATGAAAAAGGGRAAA 120 AATGGAAGAAGAGWTGTTAGGGTTATGTCGTAATTTGGAGATTGTATAAAAATATTAAG 180 GGCAAAAAAAAAATGTGTCAACTTAAAACAGCTTATAAGCTAAAAGTTAAAAGCTG 240 GGGTAGAGGTGTTTTTTTTTTTTTAGCTTATAAGTTGTTTTAAGTTGACCACATTTTTA 300 TTTTTKTTGCCCTTAATATTTTTATACAATCTCAAAATTACGACATAACCCTAACATCTT 360 TTTCTCCCATTTTTCCTTTTCACGTTTGACATAGCAACTTCAGCACTTTTATCCAAACA 420 CATAACTGCTTATTTTAAAAATAAGTTTCAGCACTTTCAAAAGTACTTTTTTAAAGCTGC 480 TTTTATTAAGCCCATCCAAACGGGCCCTAAAATTGCTAATGTTTGCTCTTTTCTATTCTCA 540 AACTCCGTAATATTTAAGAAAATTTGCTAATGATAGGTCACTTTTAACACTAAATAATTA 600 TAAATTGGGTAGAAATTTATTATCATTTTAAGCTTTTTTTAATTTTTGAGTCTTCTCCCTA 660 ATTAAGACCCTTCCCCTCTTGCTTCAATTATTTAACTGAATAGTCTTTGTCTTATTGTTG 720 GGTGAAAGTCTGTCTTGTTAGGTACTAAGTCCTACAATAATATCAATAATTTGCTAT 780 GGAGAAAAAAATATTATAGGAGAAAAATAATTAATTTAATTCATGAATATGTCTTAATA 840 TGCAACTCATTTTGCTTATATATATCAAATTAAACTCTGTTCCTTTAACTTTTTCCTATG 900 960 TGATATAACTTAAAAGAAGTTGTTTGATATCTTATCAGAATCATGCAGGTACTCATAATA 1020 TAAGAAATAATTATGATGAAAATTTATATATGTTTTATGCAGAGATTTATTACGCATTGTT 1080 TACTTGGGTTATGTATTACTTATTTCATCTTTTATCAGAATGTAAAATTATCATTCAATA 1140 AGAAATCCAATTCTGTTAAATTCAAAATACAAACAATAACATTTTCAAGACCGATTTTTT 1200 GCCCAAGAATATACAGTAAACATATTTATGATATGGTAGGTCTCTTTAGTAATTGACCAA 1260 CAAGGATTGTGGTGGAGTGGGAAATACTCTTTAATACTTCACCAAGAGGTCTCCAATTTG 1320 AGCCCCTGAATACGAAATCGTCTTTGTTAGTATATACCCTAACCTAATACAAAAATTAGT 1380 ATATTAGCCTTNACAGCTAAAATCTTTGTGACCTGTAAGTCACGCGAGGACAAATTTACC 1440 GTAACACCAACTTATTCATGATATAATTGTCCCTTTTTAGCACGGTAATAATGAGGTGGGT 1500 1560 GAATTGAAGAAGTAATGAAAAAACAGACTCCATTGGATAAAGGACAGTTTGCAAACACAG 1620 1680 AATTACTCTTAACCTTCAGCAGGTAAAATAAAGTTCTTAACTGAGACTATTTGAAGATAT 1740 ATTTTGTTAAAGAATCATTTTGTGTGTTTTCCTTGTTTTTGCTTTTTGCAGATTTTGAGAAATG 1800 M GAGATTGGCTTAGCAGTTGGTGGTGCATTTCTCTCTCCTCAGCTTTGAATGTTCTGTTTGAT 1860 LAV A G G F L ALNVLF 21 AGGCTTGCTCCTAACGGTGATCTGCTCAACATGTTTCGGAAGCATAAGGATCATGTTAAG RLAPNGDLLNMFRKHKDHVK CTCTTAAAGAAGCTGAAAATGACTTTGCGTGGTATTCAGATTGTGCTAAGTGATGCAGAG 1980 LLKKLKMTLRGIQIVLSDAE AATAAGCAAGCATCAAATCCATCTGTGAGAGACTGGCTTAATGAGCTTCGAGATGCTGTC NKQASNPSVRDWLNELRDAV GACTCTGCTGAAAATTTAATAGAAGAAGTCAATTATGAAGCTTTGAGGCTTAAGGTGGAA 2100 DSAENLIEEVNYEALRKVE 101 G Q H Q N F S E T S N Q Q V S D D F F L AACATAAAGGACAAGCTGGAAGACACTATTGAAACATTAAAGGATTTGCAAGAGCAAATT 2220 IKDKLEDTIETLKDLQEQI GGTCTCCTTGGCTTAAAGGAGTATTTTGATTCCACGAAACTAGAAACTAGAAGACCTTCA 2280 G L L G L K E Y F D S T K L E T R R P ACTTCTGTGGATGATGAATCTGATATCTTTGGTAGGCAGAGCGAAATAGAGGATTTGATT 2340 TSVDDESDIFGRQSEIEDL GACCGTCTATTGTCTGAAGGTGCAAGTGGGAAAAAGCTGACAGTAGTTCCTATCGTTGGA 2400 DRLLSEGASGKKLTVVPIVG 201 ATGGGCGGCCAGGGCAAGACACTTGCTAAAGCCGTATACAATGATGAGAGGGTGAAG 2460 MGGQGKTTLAKAVYNDERVK AATCATTTTGATTTGAAAGCGTGGTATTGCGTTTCTGAAGGATTTGATGCTTTGAGAATA 2520 NHFDLKAWYCVSEGFDALR ACAAAAGAATTACTCCAAGAAATTGGCAAATTTGACTCGAAGGATGTCCACAACAATCTT 2580 TKELLQEIGKFDSKDVHNNL 261.

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AACCAGCTTCAAGTCAAATTGAAGGAAAGTTTGAAGGGAAAGAAGTTCCTTATTGTTTTG 2640 NQLQVKLKESLKGKKFL I V L 281 GATGATGTGTGGAATGAAAATTACAACGAGTGGAATGACTTGAGAAATATTTTTTGCACAA 2700 DDVWNENYNEWNDLRNIFAQ GGAGATATAGGAAGTAAGATCATTGTGACGACACGCAAAGACAGTGTTGCCTTGATGATG 2760 GDIGSKIIVT TRKDSVALMM GGAAATGAGCAAATTCGCATGGGCAATTTGTCTACCGAAGCCTCTTGGTCTTTATTTCAA 2820 GNEQIRMGNLSTEASWSLFQ341 AGACATGCATTTGAAAACATGGATCCTATGGGACATCCGGAACTTGAAGAGGTCGGAAGA 2880 RHAFENMDPMGHPELEEVG IAAKCKGLPLALKTLAGML CGCTCCAAATCAGAGGTTGAAGAGTGGAAACGTATTTTGAGAAGTGAAATATGGGAGCTG 3000 RSKSEVEEWKRILRSEIWE L 401 CCACACAATGACATATTACCAGCGTTGATGTTGAGCTACAATGATCTTCCCGCACATTTA 3060 PHNDILPALMLSYNDLPAH 421 AAGCGATGCTTTTCTTTTTGTGCAATATTTCCTAAAGATTATCCATTTAGGAAAGAACAA 3120 KRCFSFCAIFPKDYPFRKE VIHLWIANGLVPVKDEINQ TTAGGCAACCAATACTTTCTAGAGTTGAGATCAAGATCATTATTTGAAAAGGTCCCAAAT 3240 LGNQYFLELRSRSLFEKVP CCTTCTAAAAGGAACATAGAGGAATTATTCCTTATGCATGACCTTGTCAATGATTTAGCC 3300 PSKRNIEELFLMHDLVNDLA 501 CAACTTGCATCTTCAAAACTTTGTATCAGGTTAGAAGAGAGCCAAGGATCTCATATGTTG 3360 QLASSKLCIRLEESQGSHML GAACAATGTCGGCACTTATCTTATTCAATAGGATTTAATGGTGAGTTTAAGAAATTGACA 3420 QCRHLSYSIGFNGEFKKL CCCCTCTACAAATTGGAGCAGTTGAGGACATTGCTTCCGATACGTATTGAATTCAGATTG 3480 PLYKLEQLRTLL P IEFRL I R CACAATCTAAGCAAGAGGGTGTTGCATAACATACTGCCTACACTAAGATCCTTGAGGGCC 3540 HNLSKRVLHNILP T L R S L R A CTATCATTCTCTCAATACAAGATTAAGGAGTTGCCAAATGACTTGTTTACCAAATTAAAG 3600 SQYKIKELPNDLFTKLK CTCCTCAGATTTTTGGATATTTCTCGGACATGGATTACAAAGTTGCCGGATTCCATTTGT LRFLDISRTWITKLPDSIC GGATTATATAACTTGGAGACACTTCTCCTGTCATCTTGTGCTGATCTTGAGGAGCTACCG 3720 GLYNLETLLSSCADLEELP 641 CTGCAGATGGAGAAGTTGATTAACTTGCGTCATCTTGACGTAAGCAACACTCGGCGCTTG 3780 LQMEKLINLRHLDVSNTRRL 661 AAGATGCCACTACATCTGAGCAGGTTGAAAAGCCTCCAAGTGTTGGTGGGACCCAAGTTT KMPLHLSRLKSLQVLVGPKF TTTGTAGATGGTTGGAGAATGGAAGATTTGGGTGAAGCACAAAACTTACATGGATCTCTA 3900 FVDGWRMEDLGEAQNLHGSL701 TCAGTTGTGAAGTTGGAAAATGTGGTTGATAGAAGGGAAGCTGTGAAGGCAAAGATGAGG 3960 SVVKLENVVDRREAVKAKM 721 EKNHVEQLSLEWSESSIAD 741 TCACAAACAGAAAGTGACATACTTGATGAGCTATGCCCCACATAAAAAACATCAAAAAAGTC 4080 SQTESDILDELCPHKN IKKV 761 GAAATCAGTGGATATAGAGGGACAAACTTTCCCAATTGGGTAGCTGATCCTTTGTTTCTT 4140 SGYRGTNFPNWVADPL 781 AAGCTGGTGAATTTGTCTCTAAGAAACTGCAAGGACTGTTACTCCTTGCCAGCACTAGGA 4200 K L V N L S L R N C K D C Y S L P A L G 801 CAACTCCCTTGTTTGAAATTCCTTTCCGTTAAAGGGATGCATGGAATAAGAGTGGTGACG 4260 QLPCLKFLSVKGMHGIRVV T 821



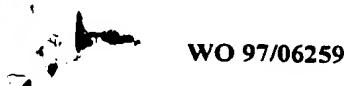


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CTTGTGTACAGAAAATCAAATTAGAATTATAACTCGTGATGGTTGAATAAACTCTAAGAA	6420
GTACTGATATATTTTTTAGTGGATATGTTGTTTGCTCATTCGGTGTTTTGATATCCACATT	6480
GGAGTCCAACTAAATTCGAATTTGCACAATCGAAGGAGCGGTGCTCCTGGCATGATTTTT	6540
TTCCCATTCTACGACTAGTGCTCCTAAATTCTAATTAAGCATAGAAAAATCTCAACTATC	6600
TCACCCAACTCATATCAGGATAGAGTATTCCCTGAGGAGGATTCCTTCAGTTACAAAA-3'	6658

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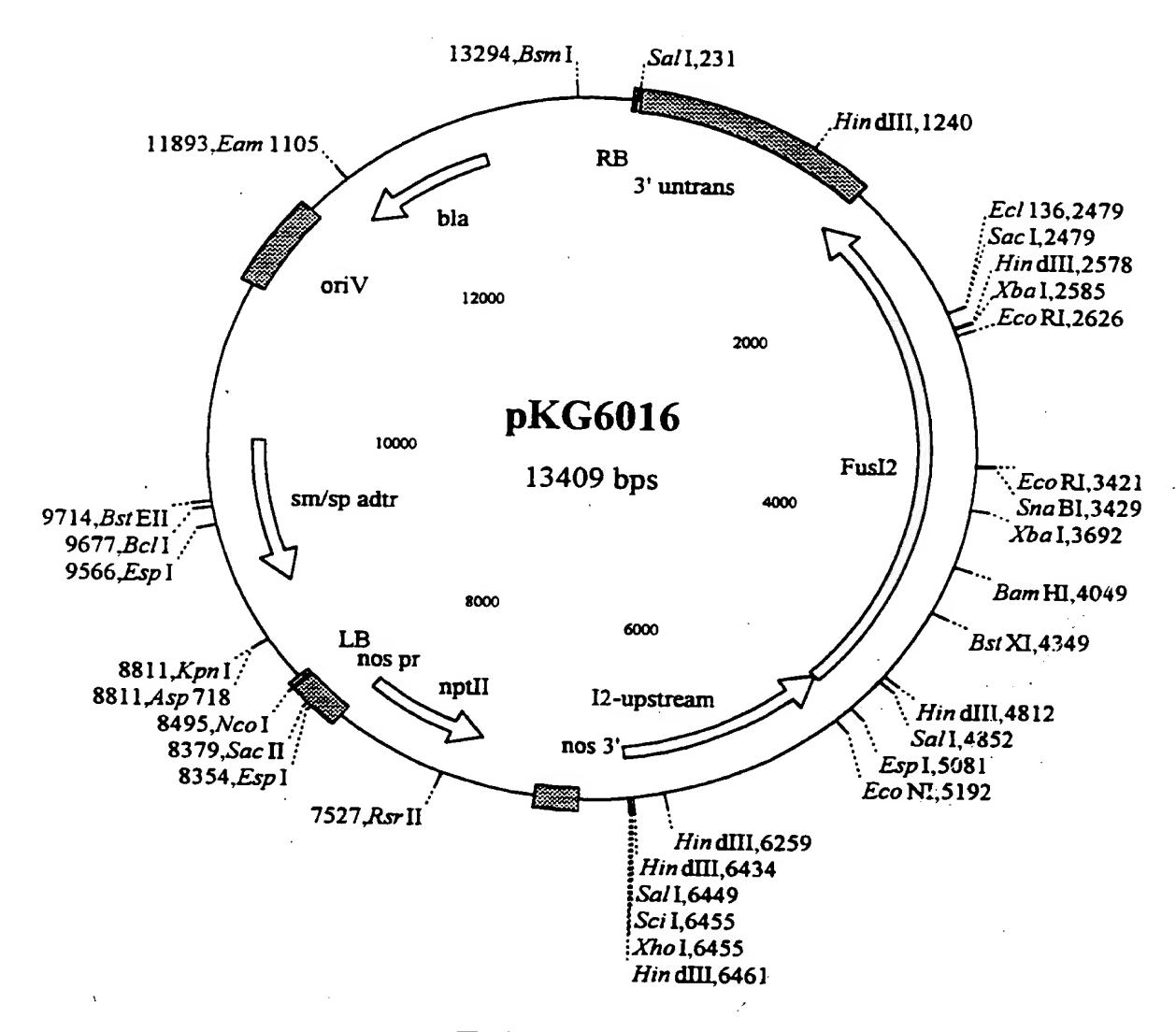


FIGURE 7